

## Department of Defense

Department of Defense

Office of Naval Research

Low-Cost Over-the-Horizon SATCOM and Line-of-Sight Communications Modification 1

Funding Opportunity Number:	ONRBAA07-031
Original Closing Date for Applications:	Aug 16, 2007
Funding Instrument Type:	Procurement Contract Grant Cooperative Agreement
Category of Funding Activity:	Science and Technology and other Research and Development
CFDA Number:	12.300 -- Basic and Applied Scientific Research
Cost Sharing or Matching Requirement:	No

### Description

Please see the full announcement for all topics. It is envisioned that each proposed effort shall consist of a study, followed by execution of the proposed approach, contingent upon a government decision to fund the approach. All responses shall be implemented in an open architecture framework. All interfaces and architectures delivered under this contract shall be government owned. Any offeror supplying a programmable modem developed under this effort shall also deliver a firmware/software development tool kit to enable subsequent waveform development by the government. This requirement is not intended to apply to low-cost COTS/GOTS modems that require no further development. All offerors shall supply a block diagram of the risk reduction system being developed under this effort, along with a block diagram of a tactical variant of the system. Any differences between the risk reduction and tactical variants shall be documented, and a description of any work required to move from the risk reduction design to the tactical design shall be provided. All offerors shall conduct budgetary analysis of production and unit costs to demonstrate the anticipated acquisition cost of the system. All offerors shall provide a link budget analysis to substantiate performance estimates of their risk reduction and tactical systems. All proposals shall have a work breakdown structure and a spend plan that covers the duration of the work to be performed.

### Link to Full Announcement

[Link to all ONR BAA's - http://www.onr.navy.mil/02/baa/](http://www.onr.navy.mil/02/baa/)  
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=14470>

Department of Defense

Defense Advanced Research Projects Agency

DARPA - Information Processing Technology Office LANdroids Grant

Current Closing Date for Applications:	Jun 05, 2008 To be considered for funding during First Selections, full proposals must be received no later than 12:00 NOON EDT on 16 August 2007.
Archive Date:	Jul 05, 2008
Funding Instrument Type:	Other Grant Cooperative Agreement Procurement Contract
CFDA Number:	12.910 -- Research and Technology Development
Cost Sharing or Matching Requirement:	No

Link to Full Announcement

[Solicitation Website - http://www.darpa.mil/ipto/solicitations/solicitations.htm](http://www.darpa.mil/ipto/solicitations/solicitations.htm)

<http://www.grants.gov/search/search.do?mode=VIEW&oppId=14524>

Department of Defense  
Office of Naval Research  
Multidisciplinary University Research Initiative (MURI) Grant  
CFDA Number: 12.300 -- Basic and Applied Scientific Research  
Cost Sharing or Matching Requirement: No

#### Eligible Applicants

Public and State controlled institutions of higher education  
Private institutions of higher education

#### Description

The MURI program supports basic science and/or engineering research at U.S. institutions of higher education (hereafter referred to as "universities") that is of critical importance to national defense. The program is focused on multidisciplinary research efforts that intersect more than one traditional science and engineering discipline to address issues of critical concern to the DoD. The FY 2008 MURI competition is for the 19 topics listed below. Detailed descriptions of the topics can be found in Section VIII entitled, "Specific MURI Topics", of this BAA. The detailed descriptions are intended to provide the proposer a frame of reference and are not meant to be restrictive to the possible approaches to achieving the goals of the topic and the program. Innovative ideas addressing these research topics are highly encouraged. White papers and full proposals addressing the following topics (1) through (6) should be submitted to ONR: (1) A 21st Century Approach to Electronic Device Reliability (2) Real-Time Methods for the Analysis of Networks(3) Biologically-Inspired Autonomous Sea Vehicles(4) Socio-Cultural Modeling for Understanding Asymmetric Threat Environments(5) Biometrics in

the Maritime Domain(6) Biologically-Inspired Approaches for Team and Coalition Adaptation of Heterogeneous Unmanned Systems for Surveillance over Large and Complex AreasWhite papers and Full proposals addressing the following topics (7) through (13) should be submitted to the Air Force Office of Scientific Research (AFOSR):(7) Harnessing Complexity in the Human-Machine Systems(8) Assured Information Sharing(9) A 21st Century Approach to Electronic Device Reliability(10) Semiconductor Nanomembranes(11) Exploring the Interface: Mechanics of Nano-Scale Thermal Transport between Dissimilar Materials(12) Nanocatalysis for Propulsion Applications(13) Vortex-Particle Dynamics, Interaction and Control for Brownout MitigationWhite papers and full proposals addressing the following topics (14) through (19) should be submitted to the Army Research Office (ARO):(14) Human, Social, Cultural, and Behavioral Modeling: Dynamic Models of the Effect of Culture on Collaboration and Negotiations(15) Brain Network Analysis and Modeling for Communication and Orientation(16) Reasoning by Abductive Inference(17) Spin-Mediated Magnetic Behavior in Hybrid Metal-Semiconductor Systems(18) Modeling, Analysis, and Control of Complex Multi-Scale Data Networks(19) Spray & Combustion of Gelled Hypergolic Propellants for Future Rocket and Missile EnginesProposals from a team of university investigators may be warranted because the necessary expertise in addressing the multiple facets of the topics may reside in different universities, or in different departments in the same university. By supporting multidisciplinary teams, the program is complementary to other DoD basic research programs that support university research through single-investigator awards. Proposals must name one Principal Investigator as the responsible technical point of contact. Similarly, one institution will be the primary awardee for the purpose of award execution. The relationship among participating institutions and their respective roles, as well as the apportionment of funds including sub-awards, if any, must be described in both the proposal text and the budget. Historically Black Colleges and Universities and Minority Institutions (HBCU/MIs) (as defined by 10 U.S.C. 2323a (1) (c)) are encouraged to participate in the MURI program, either as the lead institution or as a member of a team. However, no specific funds are allocated for HBCU/MI participation. Please see Amendment 0001.

Link to Full Announcement

[Link to all ONR BAA's](http://www.onr.navy.mil/02/baa/) - <http://www.onr.navy.mil/02/baa/>

<http://www.grants.gov/search/search.do?mode=VIEW&oppId=14519>

Department of Defense  
Defense Advanced Research Projects Agency  
DARPA - Defense Sciences Office  
Computer Science Study Group Grant

Funding Instrument Type:

Procurement Contract  
Other  
Cooperative Agreement  
Grant

Category of Funding Activity:

Science and Technology and other Research and Development

Category Explanation:

Expected Number of Awards:  
Estimated Total Program Funding:  
Award Ceiling: \$0  
Award Floor: \$0  
CFDA Number: 12.910 -- Research and Technology  
Development  
Cost Sharing or Matching Requirement: No

Eligibility:

Only U.S. institutions of higher learning are eligible for awards under this RA, and participants must be junior faculty members who are able to receive a U.S. Department of Defense SECRET security clearance. All responsible sources may submit a proposal that shall be considered by DARPA. Historically Black Colleges and Universities (HBCUs) and Minority Institutions (MIs) are encouraged to submit proposals.

Description

This Research Announcement (RA) initiates Phase 1 of the 2008 Computer Science Study Group (CSSG). The Defense Advanced Research Projects Agency (DARPA) is soliciting proposals from U.S. institutions of higher learning nominating junior faculty to participate in the CSSG. The CSSG will focus on computer science technology and its application to associated problems of interest to, and in support of, Department of Defense (DoD) objectives. The CSSG consists of two principal functional areas: 1) Participation in the 2008 Computer Science Study Panel (CS Study Panel); and 2) Possible participation in future Computer Science Research Projects (CS Research Projects).

Link to Full Announcement

[RA07-43 at DARPA DSO](http://www.darpa.mil/dso/solicitations/solicit.htm) - <http://www.darpa.mil/dso/solicitations/solicit.htm>

<http://www.grants.gov/search/search.do?mode=VIEW&oppId=14520>

Department of Defense

Defense Advanced Research Projects Agency DARPA - Defense Sciences Office Computer Science Study Group Modification 1

Current Closing Date for Applications: Aug 10, 2007

Funding Instrument Type: Procurement Contract  
Other  
Cooperative Agreement  
Grant  
CFDA Number: 12.910 -- Research and Technology  
Development

Cost Sharing or Matching Requirement: No

Additional Information on Eligibility:

Only U.S. institutions of higher learning are eligible for awards under this RA, and participants must be junior faculty members who are able to receive a U.S. Department of Defense SECRET security clearance. All responsible sources may submit a proposal that shall be considered by DARPA. Historically Black Colleges and Universities (HBCUs) and Minority Institutions (MIs) are encouraged to submit proposals.

Description

This Research Announcement (RA) initiates Phase 1 of the 2008 Computer Science Study Group (CSSG). The Defense Advanced Research Projects Agency (DARPA) is soliciting proposals from U.S. institutions of higher learning nominating junior faculty to participate in the CSSG. The CSSG will focus on computer science technology and its application to associated problems of interest to, and in support of, Department of Defense (DoD) objectives. The CSSG consists of two principal functional areas: 1) Participation in the 2008 Computer Science Study Panel (CS Study Panel); and 2) Possible participation in future Computer Science Research Projects (CS Research Projects).

Link to Full Announcement

[RA07-43 at DARPA DSO](#)

<http://www.grants.gov/search/search.do?mode=VIEW&oppId=14520>

Department of Defense

Air Force Office of Scientific Research

Air Force Office of Scientific Research URI

FY2008 Multidisciplinary University Research Initiative (MURI) - For Submission to AFOSR Modification 1

Current Closing Date for Applications: Oct 23, 2007

Archive Date:

Funding Instrument Type: Grant

Category of Funding Activity: Science and Technology and other Research and Development

Category Explanation:

Expected Number of Awards:

Estimated Total Program Funding: \$207,000,000

Award Ceiling: \$1,500,000

Award Floor: \$0

CFDA Number: 12.800 -- Air Force Defense Research Sciences

## Program

Cost Sharing or Matching Requirement: No

## Eligible Applicants

Private institutions of higher education

Public and State controlled institutions of higher education

## Description

The MURI program supports basic science and/or engineering research at U.S. institutions of higher education (hereafter referred to as "universities") that is of critical importance to national defense. The program is focused on multidisciplinary research efforts that intersect more than one traditional science and engineering discipline to address issues of critical concern to the DoD. The FY 2008 MURI competition is for the 19 topics listed. Detailed descriptions of the topics can be found in Section VIII entitled, "Specific MURI Topics", of this BAA. The detailed descriptions are intended to provide the proposer a frame of reference and are not meant to be restrictive to the possible approaches to achieving the goals of the topic and the program. Innovative ideas addressing these research topics are highly encouraged.

## Link to Full Announcement

[BAA-07-036 FULL ANNOUNCEMENT](#)

<http://www.grants.gov/search/search.do?mode=VIEW&oppId=14530>

## Department of Defense

Air Force Office of Scientific Research

Air Force Office of Scientific Research URI

FY2008 Multidisciplinary University Research Initiative (MURI) - For Submission to AFOSR Modification 2

Current Closing Date for Applications: Oct 23, 2007

Archive Date:

Funding Instrument Type: Grant

Category of Funding Activity: Science and Technology and other Research and Development

Category Explanation:

Expected Number of Awards:

Estimated Total Program Funding: \$207,000,000

Award Ceiling: \$1,500,000

Award Floor: \$0

CFDA Number: 12.800 -- Air Force Defense Research Sciences

Program

Cost Sharing or Matching Requirement: No

Eligible Applicants

Private institutions of higher education

Public and State controlled institutions of higher education

Description

The MURI program supports basic science and/or engineering research at U.S. institutions of higher education (hereafter referred to as "universities") that is of critical importance to national defense. The program is focused on multidisciplinary research efforts that intersect more than one traditional science and engineering discipline to address issues of critical concern to the DoD. The FY 2008 MURI competition is for the 19 topics listed. Detailed descriptions of the topics can be found in Section VIII entitled, "Specific MURI Topics", of this BAA. The detailed descriptions are intended to provide the proposer a frame of reference and are not meant to be restrictive to the possible approaches to achieving the goals of the topic and the program. Innovative ideas addressing these research topics are highly encouraged.

Link to Full Announcement

[BAA-07-036 FULL ANNOUNCEMENT](#)

<http://www.grants.gov/search/search.do?mode=VIEW&oppId=14530>